



Description

The Puran brackish water RO membranes are used for the desalination of high salinity water and other similar water. It has high salt rejection rate, stable performance and high flow rate working at standard pressure. It is used to produce pure water or ultra-pure water in fields of electronics, power, petrochemical, food, beverage and pharmacy.

Technical Parameters

Model	Diameter inch	Membrane Area ft ² (m ²)	Salt Rejection Rate %	Product Flow Rate gpd (m ³ /d)	Feed Spacer Thickness mil
PNBW-2521	2.5"	12.8 (1.17)	99.5	350 (1.3)	28
PNBW-2540	2.5"	35 (3.2)	99.5	800 (3.0)	28
PNBW-4021	4"	38.5 (3.52)	99.5	1050 (3.9)	28
PNBW-4040	4"	85 (7.9)	99.5	2400 (9.08)	28
PNBW-8040	8"	400 (37)	99.5	11000 (41.6)	28
PNBW-8040-440	8"	440 (41)	99.5	12500 (47.3)	28

Type	Configuration	Spiral wound
	Membrane material	Composite Polyamide
Test Condition	Feed water pressure	225psi (1.55MPa)
	Feed water temperature	77°F (25°C)
	Feed water concentration	2,000mg/l NaCl
	Recovery rate	15%
	Feed water pH	6.5-8.5
Application limits	Maximum chlorine concentration	0.1ppm
	Maximum operating temperature	113 °F (45°C)
	Feed water pH range continuous working	2.0 - 10.0
	Maximum feed water turbidity	1.0 NTU
	Maximum feed water SDI (15mins)	5.0
	Maximum pressure drop for each element	13psi(0.09MPa)

Dimensions

Size	Unit: inch(mm)			
	A	B	C	D
2521	21 (533.4)	1.05 (27)	0.75 (19)	2.5 (63)
2540	40 (1016)	1.05 (27)	0.75 (19)	2.5 (63)
4021	21 (533.4)	1.05 (27)	0.75 (19)	4 (101)
4040	40 (1016)	1.05 (27)	0.75 (19)	4 (101)
8040	40 (1016)	-	1.125 (29)	8 (201)

